

Show all your work for full credit.

Do homework in your notebook or binder.

Homework

Date: Monday, 9/12/11

Subject: Identify Patterns

Teacher: Mr. Rost

Room: 328

Germantown High School

Find the next three terms in each sequence. What is the constant difference for each?

1. 6, 9, 12, 15, 18, 21, ____, ____, ____
2. 8, 15, 22, 29, 36, 43, ____, ____, ____
3. 44, 41, 38, 35, 32, ____, ____, ____
4. 4, 7, 15, 28, 46, ____, ____, ____

Find the missing terms in the sequence,

5. 0, ____, ____, 30, 45, 60, ____, 90, 105
6. Draw the fourth figure in the pattern.

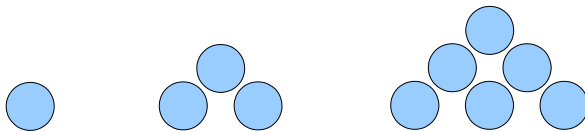


Fig. 1

2

3

4

Challenge “Understanding terminology”

7. The third and fourth terms of a sequence are 101 and 83. If the first differences are constant, find the first 5 terms of the sequence.